PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

25-Jun-2010

Company: 111325

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67973

 Date In:
 04-Jun-2010

 Date Out:
 18-Jun-2010

Days In Service: 14

CCC Panel # P67973

ISA Class G2
Moderate

Copper Corrosion 725 Å/30 Days

Silver Corrosion 581 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67973

The electrolytic reduction analysis on Corrosion Classification Coupon #P67973 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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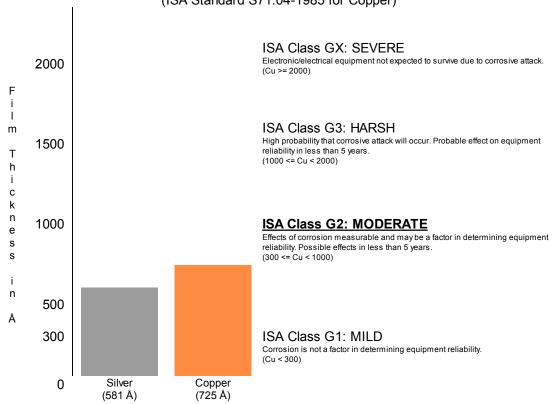
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PURAFIL CCC # P67973 Analysis Results

Corrosion Film Composition				Gold Coupon -
	<u>30 Days</u>	Projections <u>1 Year</u>	5 Year	Magnified 20x
Copper Films Cu ₂ S	534 Å	1863 Å	4166 Å	
Cu ₂ O	191 Å	668 Å	1493 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	725 Å	2531 Å	5659 Å	
Silver Films			•	
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	581 Å	7077 Å	35383 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	581 Å	7077 Å	35383 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation

(ISA Standard S71.04-1985 for Copper)



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